

Promat

PROMAGLAF® HTK BLANKET

High Temperature Biosoluble Fibre Blanket



TECHNICAL DATA

PROMAGLAF HTK® BLANKET		1100	1260	
Classification temperature (ENV 1094-3)	°C	1100	1260	
Melting point	°C	>1250	>1400	
Available densities	Kg/m ³	96-128-160	96-128-160	
Average fibre diameter	µm	3.5	3.5	
Compression recovery after 50% compaction at room temperature	%	70-75	70-75	
Compression recovery after 168hrs at 1100°C (50% compaction)	%	70	70	
Linear shrinkage, 24 hrs (ENV 1094-7) at:	%			
900°C		1.0	0.5	
1100°C		1.5	1.0	
1260°C		-	<2.5	
Thermal conductivity at mean temperature of: (ASTM C 201)		96 Kg/m ³	128 Kg/m ³	160 Kg/m ³
200°C	W/mK	0.07	0.06	0.06
400°C		0.11	0.10	0.09
600°C		0.17	0.15	0.13
800°C		0.25	0.20	0.18
1000°C		0.32	0.27	0.25
Typical chemical composition				
SiO ₂	%	50-65	65-80	
ZrO ₂		<1	<2	
MgO+CaO		20-39	22-40	
Al ₂ O ₃		<1	<1	
Acid resistance (2N HCl at 81°C, 4 hrs)	%	6.2	6.2	
Alkali resistance (2N NaOH at 81°C, 4 hrs)	%	6.5	6.5	

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HEALTH AND SAFETY INFORMATION

PROMAGLAF® HTK blankets possess a fibre chemistry within the regulatory definition of a 'man-made vitreous (silicate) fibre with random orientation with alkaline oxide and alkaline earth oxide content greater than 18% by weight'. These fibres have been tested in accordance with both the protocol of the European Commission (ECB/TM27 REV. 7) pursuing the Nota Q of the Directive 97/69/EC and

the Intratracheal Instillation Biopersistence Testing requested by the German Hazardous Substance Ordinance (Deutsche Gefahrstoffverordnung, Appendix IV nr 22 Abs. Satz 2, Kriterium 4), with results that are below regulatory thresholds. As a result, PROMAGLAF® HTK blankets are certified biosoluble materials not requiring any additional labelling. Please refer to MSDS for practical use and handling of our material.

STANDARDS SIZES

DENSITY (96, 128 and 160Kg/m ³)			
Thickness (mm)	Length (m)	Width (mm)	m ²
13	14.64	610	8.93
19	9.63	610	5.87
25	7.32	610	4.47
50	3.66	610	2.23

Aluminium faced on 1 side on request

Standard packaging: 20 rolls/pallet

The above data is given in good faith and refers to internal standard test procedures based on internationally recognised testing methods. These are typical properties subject to normal fluctuation during the production process. No warranty is herewith given regarding specific applications without our prior written approval. This technical data sheet should not be used for technical specification purposes without our authorisation.